

IN THE SPECIFICATION:

Page 7, lines 22-23, replace the description of the drawings as follows:

Figs. 2a and 2b show a camera with two different sensors that are
oriented back-to-back,

Page 8, line 28 to page 9, line 3, replace the paragraph with the following
amended paragraph.

Adjacent to the first image detector 4 there is provided an additional
image detector 5, which is constructed in the form of a face sensor and
from which full frames can be read out at high speed. This image
detector 4 is also mounted on support-circuit board 3, of which the spatial
dimensions are, for example, 60 mm x 60 mm (height x width) or
approximately 60 mm x 80 mm, so that the image detector can also be
mounted more or less transversely. It has been found that a subvolume
of 60 mm x 60 mm x 60 mm is sufficient to adequately record the areas
to be imaged. The exact dimensions must be chosen so that the
dimensions of the subvolume to be imaged are covered.

Page 10, lines 11 to 25, replace the paragraph with the following
amended paragraph.

A camera 41 is shown, which is attached to a support structure 40 and
has a casing 42 in which the image detectors 4, 5 are guided by an
adjustment mechanism in the form of a carriage 43 on a guide track 44.
The image detectors 4, 5 can thus be moved with the carriage 43 and the

~~adjustment mechanism~~ ~~guide track~~ 44 from the position illustrated to the dashed line position 4', 5', so that instead of the face sensor of the image detector 5, the line detector of image detector 4 moves into the X-ray fan beam represented by the line 45.

Page 10, lines 27-28, replace the paragraph with the following amended paragraph.

Camera 41 is attached by connecting means and the connecting means can also include adjustment means. ~~This, however, is not illustrated.~~

Page 11, lines 7 to 13, replace the paragraph with the following amended paragraph.

The main parts of an X-ray system 50 are illustrated in Fig. 4a, specifically an imaging device with an imaging unit 51 and an X-ray emitter 52, in which the object to be examined in the form of a patient's head ~~53~~ is positioned between the X-ray emitter 52 and the imaging unit 51. For the production of a panoramic tomographic image, the X-ray beam 54 emitted from the X-ray emitter 52 is directed to the image detector 4 constructed in the form of a line detector, so that the required length for producing a PAN image of the upper and lower jawbones is provided.